

Applicant: Heinz HAISER et al.
Docket No. R.306015
Preliminary Amdt.

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-12. (Canceled)

13. (New) In a connection point of a chamber subjected to high pressure in a body subjected to high pressure of a high-pressure injection system for fuel at a bore, extending through the body, which extends substantially vertically in the body, the improvement comprising a cylindrically shaped pocket or an encompassing groove in the chamber subjected to high pressure of the body, the bore discharging into the cylindrical shaped pocket or the encompassing groove forming an intersection point.

14. (New) The connection point according to claim 13, wherein the cylindrically shaped pocket or the encompassing groove is preferably disposed in the bottom region of the chamber subjected to high pressure.

15. (New) The connection point according to claim 13, wherein the cylindrically shaped pocket or the encompassing groove, with the chamber subjected to high pressure, forms an intersection that is free of excessively elevated stress.

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16. (New) The connection point according to claim 13, wherein the intersection point acts as a notch effect point, at which reduced stress levels $\sigma_{\max,2}$, $\sigma_{\max,3}$ are established in operation of the body subjected to high pressure.

17. (New) The connection point according to claim 13, wherein the encompassing groove is embodied with a curved or angular contour at a constant depth in the body.

18. (New) The connection point according to claim 13, wherein the cylindrically shaped pocket is embodied as semicircular, curved, or angular in the wall in the body that defines the chamber subjected to high pressure.

19. (New) The connection point according to claim 18, wherein the cylindrically shaped pocket has its maximum depth at the orifice of the bore.

20. (New) The connection point according to claim 18, wherein the cylindrically shaped pocket, on both sides of the orifice of the bore, has symmetrical ending regions into the bore.

21. (New) The connection point according to claim 13, wherein the connection point is embodied, depending on the shape of the groove, as an opening of oval or rectangular geometry.

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22. **(New)** The connection point according to claim 13, defined by the intersection of a differential pressure chamber, controlling a pressure amplifier, and a control line in the form of a bore that subjects the differential pressure chamber to pressure or relieves it of pressure and that leads to a valve that actuates the pressure amplifier.

23. **(New)** The connection point according to claim 13, wherein the control line is embodied as a through bore in the high-pressure-carrying body.

24. **(New)** The connection point according to claim 13, further comprising at least one further bore connected bound to the encompassing groove in the high-pressure-carrying body.